1955

# GUIDE

to your New

CHEVROLET



CLASSEARCHIVE

# Welcome to the Chevrolet family...

# NEW CHEVROLET OWNERS

Your new 1955 Chevrolet is by far the finest and most beautiful Chevrolet ever built . . . designed to serve you faithfully and economically over many thousands of miles. The information and suggestions in this manual can help you enjoy to the fullest all the advantages of your new car.

We should also like to take this opportunity to thank you for choosing Chevrolet... and to assure you of our continuing interest in your motoring pleasure and satisfaction.

> Chevrolet Motor Division General Motors Corporation Detroit 2, Michigan



# OWNER'S MANUAL

#### PREFACE

This manual has been compiled to assist you in obtaining the highest possible degree of satisfaction from your new Chevrolet. Some of the maintenance operations outlined herein should be performed only in a suitably equipped garage and by personnel trained to recognize and evaluate indications of abnormal wear or other non-standard conditions. For this reason, you are urged to have your car regularly serviced and inspected by your Chevrolet Dealer.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time without notice.

SECOND EDITION

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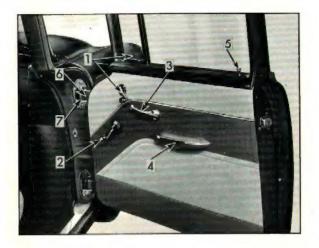
# PRELIMINARY POINTERS

#### EXTERIOR



- Hood Latch—The hood latch is located at the front of the hood, slightly right of center. The hood may be opened with one hand and in one continuous motion by reaching under the grille header bar, pulling the latch and raising the hood. Spring loaded supports hold the hood at desired positions.
- Door Lock and Handle—Outside door handles are grip type with push button releases. Lock on both front doors is located below handle.
- Gasoline Filler Cap and Lid—The gasoline filler cap is located behind the lid in the left rear fender on all models. The lid is hinged at its forward edge.
- 4. Rear Compartment—Lid is counterbalanced. It locks without key when shut, and key is required to open. Spare tire and car jack are stowed at the right side of the rear compartment except on station wagon and sedan delivery models. The combination jack handle and wheel wrench fits into the wheel well, with the tire. One end of the jack fits into a socket on the compartment floor and the other end is cradled in a bracket welded to the sidewall. The tire and wheel is pulled taut against the jack by a wing nut, using jack base as a clamp.
- Tires—Tubeless tires are standard equipment. Sizes, proper inflation pressures and recommended tire care are outlined on page 12.
- 6. Air Intake Lourres—Passenger compartment is assured a flow of outside air through hood-high air intakes consisting of five hanks of six louvres each. Air flow into passenger compartment is controlled by a vent knob at each end of the instrument control panel lower flange.

#### INTERIOR

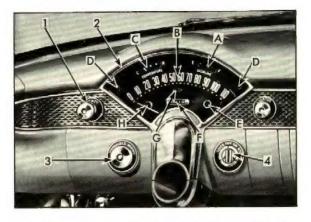


- Door Ventipane—Ventilating panes in the front door windows are crank operated and locked by a sliding bolt.
- Window Control—Crank type controls raise and lower all door windows and the rear quarter windows on two-door models.
- Door Latch Control—The front doors may be unlocked and opened by pulling up on inside door handle, whether locked by door locking button or key. The rear doors may be opened by pulling up on handle only when locking button is up.
- Arm Rest—Finger grip space is provided on arm rests for pulling doors closed.
- Door Locking Button—All doors may be locked from inside by pushing door locking buttons down, or from outside by pushing button down and holding outside door push button in while closing door.
- Door Hinges—Doors are mounted on two hinges concealed in body pillar and front edge of door.
- Door Check—Entering or leaving the car is facilitated by door checks which hold the door in the full open position.

Front Seat Adjustment—The front seat can be adjusted forward or backward by depressing the lever at lower left side of seat and sliding seat to the desired position. When the seat is adjusted forward from the rear position the seat tilts as well as slides, so the driver becomes more erect as he moves forward.

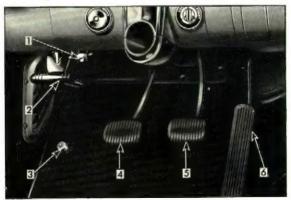
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#### INSTRUMENTS AND CONTROLS



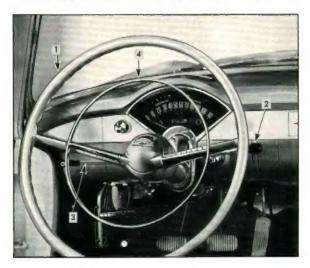
- Light Control Knob—Parking lamps and tail lamps light when knob is pulled out to first stop. Headlamps light and parking lamps go out when knob is pulled out to second stop. When knob is at either first or second stop, instrument panel lamps are lighted, and their degree of brightness controlled by rotating the knob. The dome lamp lights when knob is turned all the way counterclockwise (left), beyond the point where a slight resistance to turning is encountered.
- Instrument Cluster—Operational indicators are grouped on the recessed instrument cluster:
  - a. The Fuel Gauge indicates the quantity of fuel in the tank. The indicator needle rests at the E (empty) mark when ignition switch is at OFF position.
  - b. The Speedometer indicates car speed in miles per hour.
  - c. The Temperature Gauge indicates the temperature of the engine coolant. When the engine is first started, the needle may rest at the C (cold) end of the gauge and as engine warms up the needle should move to a point near the center of the gauge. If needle moves to H (bot) end of gauge while engine is running, the engine is overheated and should be shut down until cause of overheating is corrected.
  - d. The Direction Signal Indicators (arrows near each end of the instrument cluster) flash on and off when signaling. If bulb does not light, either the front or rear, or both signal lamps are not lighting, or the indicator lamp is burned out.

- e. The Oil Pressure Indicator shows a red warning light when oil pressure is low. If light remains on when engine is operating the engine should be stopped and the cause determined.
- The Odometer registers the accumulated mileage the car has been driven.
- g. The Headlamp Beam Indicator (Chevrolet Emblem) lights when the headlamps are on the high beam.
- b. The Generator Indicator shows a red warning light when the generator is not charging. If light is on continually while driving, the cause of discharge should be investigated and remedied.
- Wiper—Windshield wipers are regulated by rotating the wiper knob.
- 4. Key Starter—There are four positions for the switch: LOCK, OFF, ON and START. To operate, turn switch to START. As soon as the engine starts, release switch, which will return to ON position. A key is required only when turning to or from LOCK position.



- Vent Knob—Dampers in the ventilating system are adjusted by operating the vent knob at each end of the instrument control panel lower flange. Pull knob out to admit outside air, push knob in to shut off air.
- Parking Brake—The parking brake operates on the rear wheel
  brake shoes through mechanical linkage. It operates independently
  of the service brakes and is applied by pulling straight back on the
  T-handle. To release, simply turn the handle slightly and let
  handle return to normal position.
- Headlamp Beam Selector—Operating the button changes the headlamp beam. The high beam position is indicated by a red

- light in the Chevrolet Emblem, below the "50" and "60" marks on the speedometer.
- Clutch Pedal—The clutch pedal provides for disengaging the transmission from the engine when starting or stopping the car and when shifting gears.
- Brake Pedal—'The brake pedal operates the "Master Cylinder" in the hydraulic braking system which acruates individual brake cylinders hydraulically in each wheel to engage the brake shoes with the brake drum.
- Accelerator Pedal—The accelerator pedal controls engine speed and is designed to provide the proper "feel" for smooth control.



- Steering Wheel—The steering wheel operates a recirculating ball type steering gear.
- Shift Lever—The gear shift lever provides for mechanically meshing the transmission gears in any of the three forward or one reverse gear ratios (see "Conventional Transmission", page 8).
- 3. Direction Signal Lever—The direction signal lever operates flashing lights front and rear. Pushing the lever in the same direction the steering wheel is to be turned operates the lights to indicate the direction the car is to turn. The lever automatically returns to neutral position when the turn is completed.
- Horn Button—Finger tip pressure any place on the horn button or ring makes electrical contact which causes the horn to sound.

# DRIVING INFORMATION

#### GOOD DRIVING TIPS

- 1. Watch your speed.
- 2. Keep in line.
- 3. Keep your distance.
- 4. Pass with care.
- 5. Give signals.
- 6. Turn properly.
- 7. Obey signs and signals.
- 8. Obey right-of-way rules.
- 9. Protect pedestrians.
- 10. Use lights properly.
- 11. Park right.
- 12. Drive defensively.
- 13. Keep fit to drive.
- 14. Drive a safe car.

#### BREAKING IN

To maintain the high standard of performance and efficiency of your new Chevrolet, special attention should be given to lubrication and the speed at which the car is driven during the "break-in "period. The crankcase of the engine as delivered to you, is filled with a light body "breaking-in" oil. USE THIS OIL ONLY DURING THE FIRST 500 MILES OF DRIVING. If it is necessary to add oil, use one of the "light body" oils described on page 17.

Check the oil frequently during the first 500 miles. At the end of the first 500 miles, drain the "breaking-in" oil from the crankcase—when hot—and refill with an oil of the viscosity number and type indicated on page 17.

To properly break-in the moving parts of the engine do not drive faster than:

- 40 miles per hour for the first 100 miles.
- 50 miles per hour for the next 200 miles.
- 60 miles per hour for the aext 200 miles.

#### DRIVING WITH CONVENTIONAL TRANSMISSION



Chevrolet's Synchro-Mesh transmission and diaphragm spring clutch provide motoring ease for conventional driving.

#### Starting the Engine

- 1. Place shift lever in neutral and depress clutch pedal.
- 2. Depress accelerator and hold which pre-sets automatic choke.
- Turn key starter to Start and release as soon as engine starts. Release accelerator as soon as engine starts which will select the proper fast idle step on carburetor for prevailing temperature.

Should engine flood, depress accelerator to the floor to open choke while starting. Do not pump accelerator.

CAUTION: Carbon Monoxide is a Poisonous Gas. Never Start or Run the Engine in a Closed Garage.

Starting the Car—Any of the three forward speeds or reverse may be selected from the neutral position as follows:

FIRST SPEED—Depress clutch. Raise shift lever and move fully down. Engage clutch gradually.

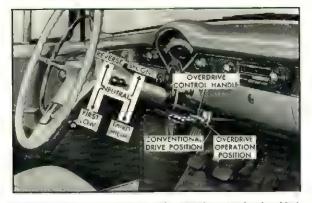
SECOND SPEED—Depress clutch. Push shift lever up and away from the steering wheel. Engage clutch.

THIRD SPEED—Depress clutch. Pull shift lever down and away from steering wheel. Engage clutch.

REVERSE—With car at a standstill, depress clutch. Raise shift lever and push fully upward. Engage clutch gradually.

Push Start—Should it ever be necessary to start the engine by pushing or towing car, place lever in neutral until car reaches 15 mph. Depress clutch, turn key starter to ON, and place shift lever in THIRD speed. Engage clutch gradually to start engine.

#### DRIVING WITH OVERDRIVE TRANSMISSION



Overdrive optional equipment used with Chevrolet Synchro-Mesh transmission provides an automatic fourth or cruising gear in which engine speed is reduced more than 22% for the same road speed with the conventional car.

Conventional driving with overdrive equipped car can be obtained by pulling overdrive control handle all the way out. Handle must be pushed in to make overdrive operation available.

Starting the Engine is accomplished in the same manner as with conventional transmission (see page 8).

Use of Clutch Pedul—When starting from a standstill, or when bringing the car to a stop, or when car speeds are above approximately 30 miles per hour the clutch must be released for shifting goars. At speeds below approximately 26 miles per hour the free-wheeling action of the overdrive unit makes it possible to do all goar shifting without depressing the clutch pedal.

At any speed above 30 miles per hour the transmission will automatically shift into overdrive if the accelerator pedal is momentarily released. When car speed drops below 26 miles per hour the overdrive will automatically disengage.

When overdrive is engaged and gear shift lever is in either second or third position, extra power for rapid acceleration or hill climbing is supplied by depressing the accelerator pedal to the floor.

Push Start—Should it ever be necessary to start the engine by pushing or towing the car, pull overdrive control handle all the way out and place shift lever in neutral until car reaches 15 mph. Depress clutch, turn key starter to ON and place shift lever in THIRD speed. Engage clutch gradually to start engine. After the engine starts, the overdrive control handle may be pur a. i. ut. 3 ime.

#### DRIVING WITH POWERGLIDE TRANSMISSION



Powerglide is a completely automatic transmission which replaces standard clutch and transmission Selective control is obtained through the selector lever on the steering column just below the steering wheel

Eingerip control of the Powerglide transmission is provided by five different positions which are indicated on the Powerglide quadrant in the bottom of the instrument cluster.

- -P- Park. Holds the car immovable, even on steep grades. Engine can be started and idled in this position.
- -N- Neutral. Allows engine to be operated with car standing still.
- -D- Drive. For all normal driving Transmission automatically selects the range best suited to every driving situation.
- Low. Use only when pulling through deep snow or sand, climbing or descending very steep hills, and for additional engine braking below 40 mph on dry pavement.
- -R- Reverse, for backing up. Bring car to a complete stup before selecting this position.

#### Starting the Engine

- To start engine selector lever must be in "P" or "N" position as starter is inoperative in other positions. If car is on a hill "P" position is preferred.
- 2. Depress accelerator and hold which pre-sets automatic choke.
- 3 Turn key starter to Start and release as soon as engine starts. Release accelerator as soon as engine starts which will select the proper fast idle step on carburetor for prevailing temperature.

Should engine flood, depress accelerator to the floor to open choke while starting. Do not pump accelerator.

CAUTION. Carbon monoxide is a poisonous gas. Never start or run the engine in a closed garage.



Normal Driving—Place selector in "D" and press the accelerator for smooth, effortless driving in city or country. Powerglide automatically selects the range most suited to your driving needs. Starting, the car moves forward in automatic low, changing to cruising range between 12 and 50 mph., depending on accelerator position. While cruising at speeds below 45 mph., Powerglide will change automatically to low range when accelerator is fully depressed for maximum acceleration. At low speeds above 12 mph., this change may occur before accelerator is fully depressed. As the car slows to a stop, Powerglide changes to low range at 12 mph. in readiness for the next start.

NOTE. The above road speeds are approximate, and may vary with individual cars.

Low Range Driving—"L" position should be used when climbing very steep grades at reduced speed, or when pulling through deep sand and snow. At speeds below 40 mph, this range may be used to provide additional engine bruking for descending steep grades on dry pavement or slowing down on slippery pavement, below 12 mph.

Reverse Driving—"R" position reverses Powerglide for backing. Bring car to complete stop, raise control lever slightly and move to "R" position with engine idling.

Driving Cautions-A few driving cautions should be observed:

- Do not accelerate engine for over ten seconds in "D", "l.", or "R" when car is held with brakes.
- When stopped on an upgrade, do not hold car by accelerating engine except very briefly. Use service brake.
- Move selector to "L" for extremely hard pulls at low road speed.
- Do not move selector from "D" to "L" over 40 mph.
- Never move selector to "R" when car is moving forward.
- Engage parking lock ("P") only when car is completely stopped.
- If car must be towed, place selector in "N". Do not exceed 30
  mph. Tow with rear wheels raised if transmission is not operating properly.

Push Start—Should it ever he necessary to start the engine by pushing car, place selector in "N" until car reaches 25 to 30 mph. Turn key to ON and move selector to "L". When engine starts, move selector to "D".

NOTE: Towing is not re. in. id. ',' r this operation, as car may accelerate into tow car to sea or in. it. is.



Runs Hot Loosens Cords Uneven Wear Blownuts



Good Ride Good Traction Even Wear More Mileage



Hard Ride Poor Traction Bruses Fabric Breaks

Tubeless tires are standard equipment on all models. The care and service operations recommended for them are as follows:

 Inflating—Inflation pressure should be checked when tires are cold about once a month. If one or more tires are consistently lower than the others, look for a puncture or slow leak. Maintain these recommended pressures:

Starting Pressure 24 lbs when car has been standing three hours or driven less than a mile.

City Pressure—27 lbs. after driving car three miles or more below 40 miles an hour.

Highway Pressure—29 lbs. after driving car three miles or more above 40 miles per hour.

Hard driving normally increases tire pressure. Do not "bleed" air to reduce this higher pressure, since this could lead to underinflation.

2. Impecting—Nails and other objects which would normally cause a tube and tire to go flat may be picked up in a tubeless tire without causing a noticeable loss of air. A thorough inspection should be made approximately every 1000 miles to locate any such objects, however, if the tire has been punctured, the object should not be removed until car is in a position to have the tire repaired or changed.

The surface of the tire at the wheel rim, and the wheel rim itself should be inspected for damage which might cause an imperfect air seal between rire and wheel.

- Repairing—Repair procedures for tubeless tires vary somewhat
  from the repair procedures for a tire and tube combination.
  Complete information for making tubeless tire repairs may be
  obtained from your Chevrolet Dealer or the tire manufacturer.
- 4. Changing Tires—To change a tire remove jack and spare from rear compartment and post on a under bumper as shown in

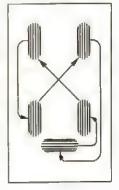
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illustration. Set parking brake, block diagonally opposite wheel, remove hub cap and loosen wheel nurs. Insert handle in jack and, with small lever on side of jack in UP position, raise car until tire clears the ground. Remove the wheel nuts and the wheel and install the spare. Tighten wheel nuts securely, move jack control lever to DOWN position and lower jack, one noteh at a time until wheel touches the ground. Re-righten wheel nuts with wheels on the ground. Store jack in rear compartment.

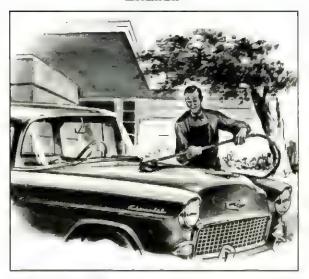
- Switching Tires Switching tires from one position to another on the car usually prolongs tire life. Switching as shown in diagram every 5000 miles will help prevent uneven front tires and distribute wear over all five tires.
- 6. Ralancing Tires—Due to irregularities in tread wear caused by sudden brake application, misalignment, low inflation pressures, tire repairs, etc., a tire may lose its original balance.

If a disturbance is felt in the steering wheel due to the action of the front wheels, or if pounding, tramping or shimmying is experienced while driving, one of the first items to check is the static balance of the stated while



# APPEARANCE MAINTENANCE

#### EXTERIOR



Washing the Car—One of the best ways to preserve the original beauty of your Chevrolet's finish is to keep it clean. When possible, avoid parking under trees which discharge drops of sap, or near factories producing acids or alkalies. Wash the car frequently to remove road grime, salt and insects. (Dead insects can easily be removed by saturating the area with a mild solution of water and baking soda).

Use either cold or warm (not hot) water to wash the car. Never wash the car in the direct rays of the hot sun, and always wait until the sheet metal surfaces have couled. Do not wipe off dust and dirt when surfaces are dry as this may leave scratches.

Polishing the Cor—Under normal conditions a good coat of wax will protect the metal finish of the car. If the finish becomes slightly dulled by the presence of "spent pigment" you may want to have your Chevroler Service man polish it to bring back its original luster. Many Chevrolet dealers offer various types of polishing or wax jobs to their owners. Properly performed with materials of known quality, these services will help maintain the good appearance of your car. Chevrolet's Lustur-Seal and Proceedings of the proven of value in maintaining a good finish of the air of the car.

Touching Up To keep your Chevrolet looking new, touch up nicks and scratches the easy way with Chevrolet Color Tipon, the new retractable flow brush dispenser that is no larger than a fountain pen. Available in original factory colors at your Chevrolet Dealer.

Cleaning White Sidewall Tires—Use soap, warm water and stiff brush to remove road grime and curb dirt from white sidewall tires. Use a fine grade of steel wool for severe cases. Do not use gasoline, kerosene, or any oil product that will discolor or deteriorate the rubber. Convertible Top and Rear Window—Before operating the folding top, be sure to read the convertible top instruction booklet, which also includes hints on the cure of the top fabric and plastic rear window.

#### INTERIOR



Dust and Dirt—Clean the interior of the car frequently. Use a broom or a vacuum cleaner to remove dust and dirt from upholstery, trim and floor. Wipe dust from hard surfaces with a damp cloth.

Spots and Stains—For best results, stains should be removed as soon as possible after they have been made. If allowed to stand for a time they may become set, and hard or impossible to remove. Before attempting to remove spots and stains determine as accurately as possible the type of material and the nature and age of the stain.

Cleaning Agents—Select a cleaning solution which is least likely to damage the material to be cleaned In general, volatile cleaners are recommended since they have great solvent powers for grease, oil and road grime. The use of alkaline cleaners is not recommended as they may damage the color or finish of fabrics.

Other types of solutions, such as Ammonia Water, Hot or Cold Water, Iron Rust Soap, Ink Eradicator, etc., will probably cause some discoloration and disturbance of the material. In addition, the use of the wrong cleaning agent for a specific stain may set the stain and make its removal practically impossible. For these reasons it is advisable to consult a reliable upholstery reconditioning expert before attempting removal of stail country, such things as blood, paint, rust, or ink.

# GASOLINE AND ENGINE OIL

Use of the proper engine oil is of great importance in assuring maximum performance and economy. For specific recommendations see "Grades of Oil," below.

As in your selection of engine oil, consider the refinery or marketer in choosing the gasoline for your Chevrolet. Most gasoline will provide satisfactory performance, but under some conditions such as high temperature or deposit accumulation, use of a premium gasoline will result in less detonation or "spark rap." Normal detonation or "spark rap" is not harmful. With Chevrolet six cylinder engines you may use regular fuel, while the compression ratio of the Chevrolet V-8 engine is sufficiently high to fully utilize the higher octane value of premium fuel.

Types of Oil—In service, crankcase oils may form sludge and varnish and under some conditions corrosive acids unless protected against oxidation. To minimize the formation of these harmful products and to supply the type of oil best suited for various operating conditions, the oil industry markets several types of crankcase oils. These types have been defined by the American Petroleum Institute as follows:

"Service ML" (Comparable to former Regular Type)—Generally suitable for use in internal combustion engines operating under light and favorable service conditions

"Service MM" (Comparable to former Premium Type)—Oil having the characteristics necessary to make it generally suitable for use in internal combustion engines operating under moderate to severe service conditions which present problems of sludge, varnish or bearing corrosson control when crankcase oil temperatures are high.

"Service MS" and "Service DG" (Comparable to former Heavy-Duty Types). Oils having the characteristics to make them generally suitable for use in internal combustion engines operating under unfavorable or severe types of service conditions.

For maximum engine protection under all driving conditions, oils designated "For Service MS" or "For Service DG" are recommended.





Oil VISCOSITY NUMBERS—SAE Viscosity Numbers indicate only the viscosity or body of the oil, that is, whether an oil is a light or a heavy body oil, and do not consider or include other properties or quality factors.

The lower SAE Viscosity Numbers, such as SAE 5W and SAE 10W which represent the light body oils, are recommended for use during cold weather to provide easy starting and instant lubrication. The higher SAE viscosity Numbers such as SAE 20 and SAE 20W, which represents heavier body oils, are recommended for use during warm or hot weather to provide improved oil economy and adequate lubrication under high operating temperatures.

Oils are available which are designed to combine the easy starting characteristics of the lower SAE Viscosity Number with the warm weather operating characteristics of the higher SAE Viscosity Number. These are termed "multi-viscosity oils;" SAE 5W-10W, SAE 5W-20, SAE 10W-20W, and SAE 10W 30.

The following chart will serve as a guide for the selection of the correct SAE Viscosity Number for use under different atmospheric temperature ranges, and suggests the appropriate SAE Viscosity Numbers when multi-viscosity oils are used.

If the lowest antice pased temperature during the interval in which the oil will remain in the crank- case, 25.	The following SAE Viscosity Numbers are BECOMMENDED:	If the Multi-Viscosity oils are used, the following grades are RFCOMMENDFD.
32 F	SAE 20W or SAE 20	SAE 10W-30 or SAE 10W-20
o ·F	SAE 10W	SAE 10W-20 or SAE 10W-30
Below 0°F	SAF 5W	SAF 5W' 10 or SAF 5W-20

NOTE. For sustained hig' ve. d. i ", when the prevailing daylight temperature is above 90"., S. F. U may be used.

# MECHANICAL MAINTENANCE INFORMATION

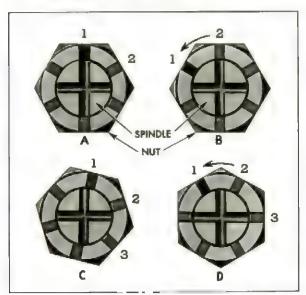
#### UNDER THE CAR

The mechanisms which may most readily be impected and serviced with the car on a boist, and the service recommended are as follows:

- Pront Suspension, and Steering Linkage (see "Lubrication Fittings," page 23).
- Front Wheel Bearings Remove hub and drum every 10,000 miles.
   Clean and repack bearings with high melting point grease. Do not pack hub between inner and outer bearings or the hup cap.

Adjust wheel hearings by tightening spindle nut to 33 ft. lbs. with torque wrench. If at this point a slot in nut lines up with either of the two holes in the spindle, back off the nut ½ rurn until the next slot lines up with this same hole and insert cotter pin (see views "A" and "B" in illustration below).

If at required torque of 33 ft. lbs. the slot has passed beyond the point of lining up with a hole, back off the nut a sufficient amount (less than 1/6 turn) to line up with the second next slot and the other cotter pin hole (see views "C" and "D" in illustration).



3. Crankcase—See "Breaking In," page 7 for care during first 500 miles of car driving. At the end of first 500 miles and every 2000-3000 miles, thereafter, drain and refill using lubricants as recommended on page 17. If flushing is desired, use only SAE 10W oil (3 qts.) and run engine at fast idle until oil is hot. Drain immediately and fill with correct grade of oil.

NOTE: Adverse driving conditions such as dust storms, cold or severe weather, or very dusty roads may necessitate more frequent changes. In instances where mileage is accumulated slowly, seasonal changes may be advisable.

- 4. Three-Speed Transmission—At operating temperature, lubricant should be level with filler plug. Remove plug to check level every 1000 miles and add hypoid lubricant such as SAE 90 "Multi-Purpose Gear Lubricants," as necessary. Straight mineral oil gear lubricant may be used. Seasonal changes may be advisable in severe service.
- Transmission—Overdrive—The overdrive unit and the three-speed transmission are connected with oil passages so the same lubricant is used for both (see above).
- 6. Powerglide Transmission—Every 25,000 miles drain fluid from Powerglide transmission. Flushing is not recommended. Before draining, warm up transmission, then remove drain plug from sump. After draining replace plug, and refill using 4½ qts. of fluid. Idle engine in neutral with hand brake set until oil is hot or at operating temperature. Check fluid level and, if necessary, add enough fluid to bring level to full mark on the dipstick.
- 7. Rear Axle—At operating temperature, lubricant should be level with filter plug hole. Remove plug to check level every 1000 miles and add hypoid lubricant such as SAE 90 "Multi-Purpose Gear Lubricants" as required. Do not use mineral oil in hypoid rear axle. Seasonal changes may be advisable in severe service.
- Tires—Inspect tires every 1000 miles for nails, sharp stones, etc. which might cause a puncture (see "lires," page 12).
- Propeller Shaft—Disassemble universal joints every 25,000 miles, clean and repack with high melting point wheel bearing lubricant.

#### UNDER THE HOOD

The mechanism which may most readily he inspected and serviced in the engine compartment, and the servicing recommended, are as follows:

- Steering Gear—Check fluid level in gear box every 1000 miles and add "Multi-Purpose" or "Universal" gear lubricant as required to maintain level at filler plug hole.
- Power Steering Gear—Service gear box every 1000 miles the same as for standard steering gear. In addition, check fluid in pump reservoir and add Automatic Transmission Fluid bearing an AQ-ATF number to bring level to full mark on filler cap dipstick.

- 3. Brake Master Cylinder—Check fluid level frequently and maintain level at ½" to 1" below filler opening, using GM Hydraulic Brake Fluid, Super No. 11. If addition of fluid is required more often than every 1000 miles an inspection of the complete system should be made and any leaks or other non-standard conditions should be corrected.
- 4. Generator—Every 1000 miles, fift oiler at each end to the top with a light engine oil. If oil in commutator end hearing becomes completely exhausted through failure to lubricate at regular intervals, fill cup three times consecutively, allowing sufficient time between fillings to permit oil to drain down.

The successive refilling should only be performed at the rear oiler. Successive fillings never should be made at the front oiler. Overfilling at the front oiler may cause damage to the generator.

- 5. Distributor—Turn lubricant cup down one turn, or fill hinge cap oiler with engine oil every 1000 miles. (Refill cup with chassis lubricant as necessary). Apply 1-2 drops of light engine oil to the breaker lever pivot and a little Delco Ball Bearing and Cam Lubricant, or equivalent, to the cam every 5000 miles. On 8 cylinder engines also apply 3-4 drops of light engine oil to the felt wick under the distributor rotor, and to the breaker lubricating felt oil hole every 5000 miles.
- 6. Air Cleaner—Service every 2000 miles, or more often if inspection indicates more rapid accumulation of dirt. Wash standard air cleaner element in cleaning solvent and reoil with engine oil. If oil bath cleaner is used, clean filter element and reservoir and refill with 1 pint SAE 50 oil or lighter grade in winter.
- Crankcase Filler and Dipstick—See "Breaking In," page 7, for care during first 500 miles of car driving. Check oil level frequently to maintain proper level on dipstick, and refill after draining every 2000-3000 miles. Use lubricants as recommended on page 17.
- Crankcase Breather Cap—Wash in cleaning solvent every 2000-3000 miles or more often if required. Reoil with engine oil.
- Radiator—Check coolant level every 1000 miles when engine
  is cold and add coolant to 1" below top of tank. Drain and flush
  radiator twice a year and refill with coolant, using a rust inhibitor
  when anti-freeze is not used.

The pressure type radiator filler cap reduces coolant loss. When removing, rotate left to first stop to relieve pressure in system. Turn cap left again to remove.

- Battery Check fluid level frequently and add distilled water until
  the level rises to bottom of slot in the vent well. Do not overfill.
  If the fluid level drops below plates more often than 1000 miles,
  consult your Chevrolet Dealer.
- Starter Solenoid Linkage—A few drops of engine oil should be used on the pivots of the starter shift lever mechanism every 1000 miles. Do not oil solenoid plunger.

- Spark Plugs—Keep the spark plugs clean. Remove and inspect every 5000 miles and regap or replace as necessary (Spark Plug gap .035").
- 13. Fan Belt—The fan belt also drives the water pump and generator. It should be kept in good condition and proper adjustment to assure efficient engine cooling and generator operation. Check adjustment every 5000 miles and inspect for fraying and deterioration.
- 14. Oil Filter—If equipped with an oil filter, the filter element should be changed at 6000-mile intervals. Adverse driving conditions such as dust storms, cold or severe weather or very dusty roads may necessitate more frequent changes.
- 15. Powerglide Transmission Dipstick—Every 1000 miles, check fluid level with engine idling, parking brake set, transmission oil hot, and control lever in "N" position. Add only "Automatic Transmission Fluid Type A", bearing an AQ-ATF number to bring level up to full mark on dipstick. Do not allow dirt to enter filler tube.

#### IN THE DRIVER'S COMPARTMENT





The following items should be checked "behind the Wheel."

- 1. Clutch Pedal—Check the free travel, or "play", of the clutch pedal occassionally. The pressure of one fuger should be enough to push the pedal in about an inch before the resistance of the clutch aprings is encountered. If there is little or no play the clutch may be slipping, which will result in rapid wear. If there is too much play the clutch may not be disengaging completely making gear shifting difficult. When free travel is less than ¾" or more than 1", an adjustment should be made.
- 2. Brake Pedal—Check the action of the brake pedal frequently. Any unusual conditions such as squeaks, grabbing, spongy feel, or pulling when brakes are applied should be investigated when they occur. If brake pedal travels to within 1" of floorboard in making an ordinary stop the need for a brake adjustment or relining is indicated.

3. Steering Gear—The amount of "play" which may develop in the steering gear will vary with the conditions under which the car is operated. Usually, when play does develop, it occurs gradually and will be noticed only when driving on a rough road or in a stiff cross-wind. When steering "looseness" is noticed, or when wheel has to be turned several inches before the front wheels turn, the steering mechanism and the alignment of the front wheels should be checked. Maintaining proper adjustment of these parts will preserve steering and handling ease and promote longer tire mileage.

#### ON THE CAR BODY

Many of the annoying squeaks and noises that occur in closed bodies are due to neglect of maintenance service which all hodies should receive regularly. Some of the points which should be lubricated and the lubricate they require are as follows:

CAUTION: Do not over-lubricate. Wipe off all surplus lubricant. Door Lock Rotor and Striker Plate—Use light oil or stainless stick type lubricant on rotor and striket.

Hood Latch Machanism and Hinges-Apply light engine oil.

Rear Compartment Lid Lock Mechanism—Lubricate moving parts with cup grease.

Lock Cylinders-Lubricate with powdered graphite.

Window Regulators and Controls—Apply a drop of light oil to operating mechanism. Trim panel should be removed when doing this to keep oil from contacting trim.

Door, Hood, and Rear Compartment Lid Weatherstrips and Rubber Bumpers—Coat lightly with a cubber lubricant such as Ru-Glyde.

Rear Compartment Lid Hinges and Torque Rod Ends-Lubricate moving parts with Lubriplate or equivalent.

Seat Adjuster and Seat Track—Use cup grease, graphite grease or dripless oil on track and moving parts.

#### INSPECTION BY DEALER

After the first 1000 miles of driving, your Chevrolet dealer will make the following inspection and adjustments:

Road Test Vehicle for Engine, Clutch, Steering and Brake Operation, and for Chassis and Body Noise. Make Necessary Corrections.

Adjust Valve Tappets. (Except Powerglide Models.)

Set Ignition Timing.

Check Lights and Adjust Aim, if necessary.

Check and Fill Battery.

Check Electrical Connections.

Check Operations of All Instruments.

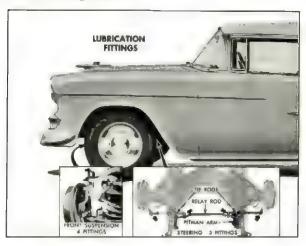
Check Operation of All Body Hardware.

Adjust Brakes, as required by road test.

With few exceptions, the only way to determine what additional maintenance service your car might need is through your own observation of the way it ruos, plus visual inspection or testing by mechanics trained on Chevrolet diagnosis. Have your car inspected at regular intervals by your Chevrolet dealer.

# LUBRICATION FITTINGS

The application of Chassis Lubricant is recommended every 1000 miles at the fittings indicated.



#### 1. Front Suspension

Upper Control Arm (Left) fitting at spherical joint 1 fitting
Upper Control Arm (Right) fitting at spherical joint 1 fitting
Lower Control Arm (Left) fitting at spherical joint 1 fitting
Lower Control Arm (Right) fitting at spherical joint 1 fitting

2. Steering Gear Tie Rod (Left) firting at each end – 2 fittings

Steering Gear Tie Rod (Right) fitting at each end = 2 fittings

Relay Rod fitting at Pitman Arm = 1 fitting

TOTAL ALL

TOTAL = 9 fitrings

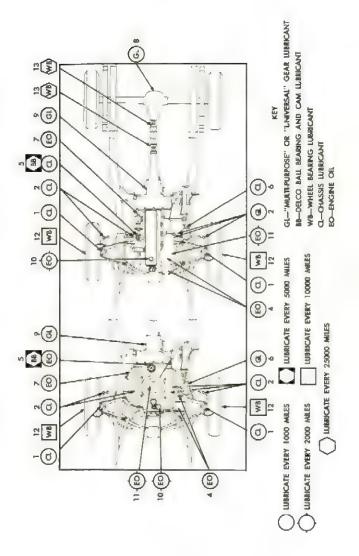
### MAINTENANCE GUIDE

The units listed in the table below should be checked at the mileage or time interval indicated, and serviced as outlined on the page and item shown in the reference column.

Lubrication points are numbered in the left column of the table and indicated by corresponding numbers in the lubrication chart.

Lubri- cation Point	UNIT	Interval	REFE!	RENCE Item
Poins				
	Crankcase		19	3
1	Front Suspension	1000 miles	23	1
2	Steering Linkage	1000 miles	23	2
- 4	Generator	1000 miles	20	4
5	Distributor	1000 miles	20	5
7	Starter Solenoid Linkage	1000 miles	20	11
	Tires (Inspect)	1000 miles	12	2
	(Switch)	5000 miles	13	- 5
	FLUID LEVELS			
	Battery	2 weeks	20	10
	Brake Master Cylinder	1000 miles	20	3
	Radiator	1000 miles	20	9
8	Rear Axle	1000 miles	19	7
6	Steering Gear	1000 miles	19	1
	Steering Gear (Power			
	Steering)	1000 miles	19	2
9	Transmission (3-Speed and			
	Overdrive)	1000 miles	19	4, 5
	Transmission (Powerglide)	1000 miles	21	15
	Crankcase	2000 miles	20	7
10	Crankcase Breather Cap	2000 miles	20	8
11	Air Cleaner	2000 miles	20	- 6
5	Distributor	9000 miles	20	5
	Spark Plugs	5000 miles	21	12
	Fan Beit	5000 miles	21	13
	Inspection by Dealer	5000 miles	22	
	Oil Filter	6000 miles	21	14
12	Front Wheel Bearings	10000 miles	18	2
-	Transmission (Powerglide)	25000 miles	19	6
13	Propeller Shaft Universal Joints	25000 miles	19	9
	Radiator		20	9
	Clutch Pedal		21	1
	Brake Pedal	•	21	2
	Steering Gear		22	3

<sup>\*</sup>These items should be checks from me a ne as driving conditions dictate.



# **SPECIFICATIONS**

Car Serial Number-Stamped on place attached to left front body pillar.

Engine Number—Stamped on boss on block, on right front side of 8-cylinder engine, and on right side to rear of distributor of 6-cylinder engine.

Tire Pressure (cold)-6:70 x 15-4-ply rating-24 lb.

Tire Pressure (cold)—6:70 x 15-4-p	ly rating—24 l	b.
Capacities:		
Gasoline Tank		
Station Wagon and Sedan Deli-	<b>very</b>	. 17 gal.
All other models		
Cooling System-with heater		. 17 qt.
—less beater		. 16 qt.
Transmission-3-speed		. 2 pt.
-Overdrive		
-Powerglide-Sum	Refill	. 41/2 qt.
Differential		. 4 pt.
Crankcase (refill)		
Line Six Engine		. 5 gt.
V-8 Engine		. 4 qt.
Oil Bath Air Cleaner		. 1 pt.
Power Steering		. 1.5 pt.
Clearances:		
Valve Clearance (hot)-Mechanica	il Tappets	
Line Six Engine	.006" Intake	.013" Exhaust
V-s Engine	.006" Intake	.016" Exhaust
Spark Plug Gap		.035"
Distributor Point Gap (new points	1)	.019"
Clutch Pedal Clearance		%" to 1"
Engine Data:	6 cylinder	8 cylinder
Bore (inches)	3%6	334
Stroke (inches)	313/16	3
Piston Displacement (cu. in.)	235.5	265
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2
Max. Brake Horsepower-		
Conventional		162 @ 4400
Powerglide	1 16 @ 4200	162 @ 4400

#### BULE SPECIFICATIONS

NAME	Candlepower	Number
Headlamp Unit Upper	50 W	Sealed Beam
-Lower		Sealed Beam
Parking Lamp Without Direction Signal		67
With Direction Signal	4-32	1034
Tail and Stop Lamp	4-32	1034
Direction Signal Lamp-		
Front	Uses Parking Lamps	3
Rear	Uses Tail and Stop Lamps	I
Instrument Cluster Lamp	. 2	57
Direction Signal Indicator Lamp	. 1	5.3
Oil Pressure Indicator Lamp	. 2	57
Generator Indicator Lamp	. 2	57
Headlamp Beam Indicator Lamp	. 1	53
Powerglide Quadrant Lamp	. 2	57
Ignition Switch Lamp	. 1	53
Glove Compartment Lamp	. 2	57
Dome Lamp	. 15	1004
Rear Quarter Lamp-Sport Coupe	. 6	90
Courtesy Lamp—Convertible	. 6	89
License Plate Lamp	. 3	67
Radio Dial Lamp	. 2	57
Heater Control Panel Lamp	. 2	57
Clock Lamp	. 3	67

Thermal Circuit Breakers—One circuit breaker in the lighting circuit for the headlamps and tail lamps eliminates a fuse in the circuit. When current load is too heavy, the circuit breaker opens and closes rapidly, reducing current sufficiently to protect wiring until the cause is eliminated. A second circuit breaker in the circuit for other lamps prevents short circuit or overload in that circuit from disabling the headlamp circuit. Both circuit breakers are incorporated in the light switch.

Fuses—The overdrive electrical system is protected by a 9 ampere fuse located near the relay on the front of dash (left side) in spring loaded fuse holder. The radio, heater and other accessories incorporate fuses located at the junction block on the passenger side of the dash panel. The radio fuse has a 7.5 ampere capacity and the heater fuse has a 9-ampere capacity.

# STATION WAGON AND CONVERTIBLE INFORMATION

Station Wagon—The area behind the front seat can readily be converted to carry either extra passengers or extra cargo. The passenger position provides scatting capacity for three people and ample space for luggage. To convert for additional cargo carrying space, lift rear of seat cushion and, when it is perpendicular, swing support rail over cushion from rear to front, then lower the cushion until rail rests on floor. Pull top of seat-back forward and down into opening vacated by seat cushion.

The spare tire and car jack are carried in a well under the floor at the rear of the cargo compartment.

Convertible—Courtesy Lamps—Dual courtesy lamps, located under the instrument panel at either side are controlled by the automatic switches at the doors, or by the headlamp switch.

Top and Rear Window-See bookler "How to Operate the Folding Top."

# ACCESSORIES AND OPTIONS

#### POWER STEERING

Chevrolet's Power Steering is designed to reduce steering effort without removing the so called "feel" of steering. Power steering assistance is zero up to a pull of about 3 pounds on the rim of the steering wheel and steering is entirely normal. At this 3 pound load, the system starts to assist the driver's effort and at a 8 pound load will contribute about 80% of the effort required to turn the front wheels.

#### POWER BRAKES

If your Chevrolet is equipped with power brakes the brake pedal is positioned at nearly the same height as the accelerator so you can pivot your foot on the heel between the two pedals without lifting your foot from the floor.

The Chevrolet power brake system incoporates a vacuum reserve to provide for at least one power brake application shortly after engine is stopped. The operator should make several trial stops to familiarize himself with the operation of the brakes. In the event that the engine is stalled and the vacuum reserve is expended increased foot pressure on the pedal is necessary for brake response.

#### WINDSHIELD WASHER

The windshield washer sprays liquid on windshield at the touch of a button. Some models are controlled by button on wiper control knob, others by foot operated button at the upper left corner of the floorboard. A wiper co-ordinater may be installed to provide combined operation of wiper with the washes when the washer push button on the instrument panel is depressed. An all-meather solution is available from your Chevrolet Dealer for use it the safe is servoir.

#### CHEVROLET DELUXE HEATER

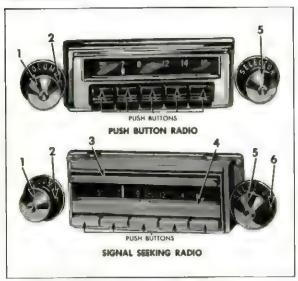
Chevrolet's Deluxe Heater provides all year comfort regardless of weather. The heater controls are located on the instrument panel to the right of the steering wheel within easy reach of the driver or front seat passenger.

- Fan The two-speed blower switch is controlled by the lever in the horizontal slot at the top of the heater control panel. Fan is off when lever is at extreme left end of slot, on low-speed when lever is at middle of slot, and on high speed when lever is at extreme right end of slot.
- 2. Air Supply—The source of air to the heater is selected by the lever in the horizontal slot above the markings "INSIDE AIR" and "OUTSIDE AIR". When lever is set at extreme left end of slot, air inside the car is recirculated through the heater. When the lever is at extreme right end of slot, outside air is supplied to the heater.
- 3. Heating-Temperature settings are determined by the position
  - of the lever in the vertical slot to left of center on the heater control panel. No heat is supplied when lever is all the way up, maximum heat is obtained when lever is all the way down. Desired temperature may be maintained by setting lever at in-between points.
- 4. Air Distribution-The lever in the vertical slot to the right of center on the heater control panel positions an air valve which determines the amount of air directed to the windshield defroster manufold or to the air outlet near the floor at the center of the dash panel. All the air is directed to the defroster manifold when lever is at bottom of slot and to the air outlet when lever is at top of slot. A midway position of the lever sets the valve so part of the air goes to the manifold and part of it goes to the air outlet.



#### CHEVROLET RADIO

Three radio models are available, one with manual tuning, one with manual tuning and push button selector, and one with manual tuning, push button selector and signal-seeking tuner. The location and identification of controls for the pushbutton and signal seeking models are shown below.



- 1. Switch and Volume Control
- 2. Tone Control Ring
- 3. Tuning Bar

- 4. Hinged Plate
- 5. Tuning Control Knob
- 6. Sensitivity Selector Ring

#### Monual Tuning-All three models may be manually tuned as follows:

- Turn switch and volume control knob clockwise to turn on radio and to increase volume.
- 2. Rotate tuning control knob to select desired station.
- 3. Rotate tone control ring to provide desired tonal quality.

Push Button Selector—Selection of five pre-tuned stations is accomplished on the push button radios by pushing the desired button. The stations may be pre-tuned on each model as follows:

- 1. Custom Push Button Radio
  - Warm up radio at least ten minutes. In sub-zero weather allow thirty minutes or more.

 Choose five stations and arrange so lowest frequency can be selected by left push button.

Move button slightly to right and pull out approximately onehalf inch.

 With manual tuning control knob, tune desired station to best reception.

e. Firmly push button in to the full extent of its travel.

 Repeat procedure for remaining buttons or to change station at any time.

#### 2. Signal Seeking Radio.

a. Warm up radio at least ten minutes. In sub-zero weather allow thirty minutes or more.

 Move manual tuning control knob to position of hest reception of favorite station nearest left end of dial.

c. Open hinged plate to gain access to red index tabs and, as accurately as possible, move left tab until rip of tab lines up with the dial pointer.

d. Select the next favorite station to the right and push the second

tab so that it lines up with the dial pointer.

e. This procedure should be followed until all five stations are selected in order to the right and all tabs are properly positioned. If any station is not tuned in accurately when the button is pushed, slide the tab slightly to the left or right until satisfactory tuning is obtained.

Signal Seeking Tuner—Automatic tuning is accomplished on the Signal Seeking Radio by pushing the automatic tuning bar. The number of stations which will be automatically tuned is determined by the setting of the sensitivity selector ring behind the manual tuning knob. Operation of these controls is described below:

Sensitivity Selector—Rotate ring behind manual tuning knob to any one of four positions to determine range of stations available for selection with the automatic tuning bar. Turning this ring clockwise increases number of stations for tuning bar operation, while turning the knob counterclockwise decreases the number of stations available. In the extreme counter-clockwise position this control will select only the strongest available stations, while in the extreme clockwise position, the automatic tuning bar will automatically tune in any listenable station.

Automatic Tuning Bar—Push in automatic tuning bar located above radio dial to reject station to which you are listening and advance toward right to nearest station in range that has been predetermined by the position of the sensitivity selector ring. As this tuning bar is successively pushed in, the station position selected will advance toward the right until the end of the selected range is reached. Additional operation of the tuning bar will then automatically return to select again the first station in the predetermined range. If tuning bar is pressed in during push button operation, it will return the button in operation to the "off" position. Tuning bar operation will automatically accomplish fine tuning to select stations at positions of best reception on the band.

# OWNER SERVICE POLICY

Upon delivery of your new Chevrolet, you received an Owner Service Policy which you should read carefully and keep with your car during the Warranty period.

Under the terms of this policy you are entitled to receive, from any Chevrolet dealer in the U. S. A. or Canada, an inspection and adjustment, on a no charge basis, if the policy coupon is presented during the first 1,500 miles of vehicle operation.

Any Chevrolet dealer in the U. S. A. or Canada is authorized to replace, without charge for material or labor, any parts found to be defective under the terms of the Chevrolet Factory Warranty.

# OWNER SERVICE POLICY

- 2. Delivery . . . The Mealer will see that the vehicle is properly prepared according to Standard Factory instructions before delivery to the owner.
- 2. Use of this Policy . . . This Owner Service Policy entitles the owner to receive service in accordance with the rema hereof at all authorized Chevrolet Service Stations. This Policy should be carried in the vehicle at all times.
- 3. Installation of Parts Furnished Under Warranty . . Parts supplied under the manufacturer's warranty ison Owner's Manual) will be installed by any Cheyrolet dealer in the United States or Canada without any charge for labor.
- 4. 2000. Mile: Adjustment, . . . The stached coupon, when signed by the authorized Cherrolet relifing Dealer, citathes the owner to the impaction and adjustmental lated on the back. These services are given from by any Chevrolet dealer in the United States or Canada upon aurroader of the coupon.
- Inspections..., in order that your Chevrolat vehicle may provide maximum service and dependability, we suggest that you have it imported every 30 days or 1000 miles by an authorized Chevrolet service station.
- Tourist Privilege... Upon presentation of this Polany by the owner when loaring, any authorized Chevrelet services station in the United States or Canada will perform the services as outlined in pangraphs three, four and five.
- Change of Residence... In the event the owner there to another location before the warranty period has expired, the authorited Charvolet service sterion cerving the new locality will fully bonor this Policy, and will render any no-change aervice due under paragraphs there, four aid five.

#### MANUFACTURER'S WARRANTY

It is expressly agreed that there are no warranties, expressed or implied, made by either the Dealer or the Manufacturer on Chevrolet motor vehicles, chassis or parts furnished hereunder, except the Manufacturer's warranty against defective materials or workmanship as follows:

"The Manufacturer warrants each new motor vehicle, including all equipment or accessories (except tires) supplied by the Manufactured, chassis or part manufactured by it to be free from defects in material and workmanship under normal use and service, its obligation under this warranty being limited to making good at its factory any part or parts thereof which shall, within ninety (90) days after delivery of such vehicle to the original purchoser or before such vehicle has been driven 4,000 miles, whichever event shall first occur, be returned to it with transportation charges prepaid and which its examination shall disclose to its satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties, expressed or implied, and all other obligations or liabilities on its part, and it neither assumes nor authorizes any other person to assume for it any other liability in connection with the sale of its vehicles."

"This warranty shall not apply to any vehicle which shall have been repaired or altered outside of an authorized Chevrolet Service Station in any way so as in the judgment of the Manufacturer to affect its stability and reliability, nor which has been subject to misuse, negligence or accident."

The Manufacturer has reserved the right to make changes in design or add any improvements on motor vehicles and chassis at any time without incurring any obligation to install same on motor vehicles and chassis previously purchased.

# TIRE AND BATTERY WARRANTIES

The tires and battery furnished with your new Chevrolet carry separate warranties and should be registered with the nearest agent of the particular manufacturer. Your Chevrolet dealer will gladly assist you in this registration.



Owner's Manuals Service Manuals Vintage Ads and more...



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